

STEERABLE DIVERTER SYSTEM

Abstract

A diverter system for diverting articles being conveyed along the diverter system includes a plurality of diverter wheels arranged between opposite sidewalls of the diverter system. The diverter wheels are rotatably driven by a motorized roller and a plurality of drive members or bands reeved around the motorized roller and respective ones of the diverter wheels. The diverter wheels are steerable in response to pivotal or rotational movement of a drive gear that engages a gear plate of at least one of the wheels. The resulting pivotal movement of the at least one wheel causes a translational movement of a rack member extending along the row of diverter wheels which, in turn, causes a corresponding pivotal movement of the other wheels engaged with the rack member.